

Ag. Waste Application and Excavated Ponds  
Day County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Aa: Aastad-----	85	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.24	Somewhat limited Slow refill Deep to water Cutbanks cave	0.97 0.38 0.10
An: Aberdeen-----	50	Very limited Restricted permeability Sodium content	1.00 0.08	Very limited Cutbanks cave Deep to water Slow refill Salty water	1.00 0.90 0.55 0.01
Nahon-----	35	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.08	Very limited Cutbanks cave Slow refill Deep to water Salty water	1.00 0.98 0.90 0.50
Aq: Aquents, Saline-----	95	Very limited Ponding Depth to saturated zone Salinity Runoff limitation	1.00 1.00 0.78 0.40	Very limited Cutbanks cave Salty water Slow refill	1.00 0.78 0.30
ArB: Arvilla-----	85	Very limited Filtering capacity Droughty	1.00 0.66	Very limited Deep to water	1.00
Ba: Bearden-----	90	Somewhat limited Depth to saturated zone	0.84	Somewhat limited Slow refill Cutbanks cave Deep to water	0.47 0.10 0.07

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
BaB: Bearden-----	50	Somewhat limited Depth to saturated zone	0.84	Somewhat limited Slow refill	0.47
				Cutbanks cave Deep to water	0.10 0.07
Huffton-----	40	Somewhat limited Salinity Sodium content	0.50 0.18	Very limited Deep to water	1.00
BbA: Beotia-----	90	Not limited		Very limited Deep to water	1.00
Bc: Beotia-----	50	Not limited		Very limited Deep to water	1.00
Rondell-----	35	Not limited		Very limited Cutbanks cave Deep to water Slow refill	1.00 0.90 0.55
BnD: Buse-----	50	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
Barnes-----	40	Somewhat limited Slope Restricted permeability	0.63 0.50	Very limited Deep to water	1.00
BoE: Buse-----	50	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
Barnes-----	40	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
BpE: Buse-----	40	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Barnes-----	35	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
Parnell-----	20	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.97 0.10
BrE: Buse-----	50	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
Langhei-----	40	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
BsE: Buse-----	35	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
La Prairie-----	30	Somewhat limited Flooding	0.60	Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
Barnes-----	25	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
BxE: Buse-----	55	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Sioux-----	30	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.87 0.45	Very limited Deep to water	1.00
Ca: Cavour-----	50	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.78 0.40	Somewhat limited Slow refill Deep to water Salty water Cutbanks cave	0.98 0.90 0.78 0.10
Ferney-----	35	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Slow refill Deep to water Salty water Cutbanks cave	1.00 0.90 0.50 0.10
Cn: Colvin-----	80	Very limited Depth to saturated zone Leaching limitation Restricted permeability	1.00 0.50 0.50	Somewhat limited Slow refill Cutbanks cave	0.55 0.10
Cr: Cresbard-----	50	Somewhat limited Restricted permeability Sodium content	0.81 0.18	Somewhat limited Slow refill Deep to water Cutbanks cave Salty water	0.97 0.90 0.10 0.01
Cavour-----	40	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.78 0.40	Somewhat limited Slow refill Deep to water Salty water Cutbanks cave	0.98 0.90 0.78 0.10

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Cu: Cubden-----	85	Somewhat limited Depth to saturated zone	0.84	Somewhat limited Slow refill  Cutbanks cave Deep to water	0.30  0.10 0.07
Cw: Cubden-----	55	Somewhat limited Depth to saturated zone	0.84	Somewhat limited Slow refill  Cutbanks cave Deep to water	0.30  0.10 0.07
Badger-----	35	Very limited Restricted permeability Flooding Depth to saturated zone	1.00 1.00 1.00	Very limited Deep to water	1.00
Cx: Cubden-----	45	Somewhat limited Depth to saturated zone	0.84	Somewhat limited Slow refill  Cutbanks cave Deep to water	0.30  0.10 0.07
Tonka-----	35	Very limited Restricted permeability Depth to saturated zone Ponding Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill  Cutbanks cave	0.30  0.10
Dd: Divide-----	80	Very limited Filtering capacity Depth to saturated zone	1.00 0.84	Very limited Cutbanks cave  Deep to water	1.00  0.07

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Do: Dovray-----	85	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.98 0.10
EaA: Eckman-----	90	Not limited		Very limited Deep to water	1.00
EbB: Eckman-----	55	Not limited		Very limited Deep to water	1.00
Gardena-----	35	Not limited		Somewhat limited Deep to water Cutbanks cave	0.81 0.10
EcB: Eckman-----	65	Not limited		Very limited Deep to water	1.00
Zell-----	25	Not limited		Very limited Deep to water	1.00
EdC: Edgeley-----	85	Somewhat limited Depth to bedrock Droughty	0.42 0.17	Very limited Deep to water	1.00
EgB: Egeland-----	60	Not limited		Very limited Deep to water	1.00
Embden-----	30	Not limited		Somewhat limited Deep to water Cutbanks cave	0.90 0.10
En: Exline-----	40	Very limited Restricted permeability Sodium content Depth to saturated zone Salinity Runoff limitation	1.00 1.00 0.84 0.50 0.40	Very limited Cutbanks cave Slow refill Salty water Deep to water	1.00 1.00 0.50 0.07

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Aberdeen-----	25	Very limited Restricted permeability Sodium content	1.00 0.08	Very limited Cutbanks cave  Deep to water Slow refill Salty water	1.00  0.90 0.55 0.01
Nahon-----	20	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.08	Very limited Cutbanks cave  Slow refill Deep to water Salty water	1.00  0.98 0.90 0.50
Ep: Exline-----	45	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Cutbanks cave  Slow refill Deep to water Salty water	1.00  1.00 0.90 0.50
Putney-----	40	Somewhat limited Salinity Sodium content	0.78 0.02	Very limited Deep to water	1.00
Fd: Fordville-----	85	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
FmA: Forman-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Aastad-----	40	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.24	Somewhat limited Slow refill  Deep to water  Cutbanks cave	0.97  0.38  0.10
FmB: Forman-----	55	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Aastad-----	35	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.24	Somewhat limited Slow refill Deep to water Cutbanks cave	0.97 0.38 0.10
FnB: Forman-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Aastad-----	30	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.24	Somewhat limited Slow refill Deep to water Cutbanks cave	0.97 0.38 0.10
Parnell-----	20	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.97 0.10
FoB: Forman-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	30	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Aastad-----	20	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.24	Somewhat limited Slow refill Deep to water Cutbanks cave	0.97 0.38 0.10
FoC: Forman-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00



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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Buse-----	30	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Aastad-----	20	Somewhat limited Restricted permeability	0.50	Somewhat limited Slow refill	0.97
		Depth to saturated zone	0.24	Deep to water	0.38
				Cutbanks cave	0.10
FpB: Forman-----	45	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	30	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Parnell-----	20	Very limited Restricted permeability	1.00	Somewhat limited Slow refill	0.97
		Ponding	1.00	Cutbanks cave	0.10
		Depth to saturated zone	1.00		
		Leaching limitation	0.50		
FpC: Forman-----	45	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	30	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Parnell-----	20	Very limited Restricted permeability	1.00	Somewhat limited Slow refill	0.97
		Ponding	1.00	Cutbanks cave	0.10
		Depth to saturated zone	1.00		
		Leaching limitation	0.50		
Gb: Great Bend-----	90	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Gp: Great Bend-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Putney-----	35	Somewhat limited Salinity Sodium content	0.78 0.02	Very limited Deep to water	1.00
GzC: Great Bend-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Zell-----	30	Not limited		Very limited Deep to water	1.00
Huffton-----	20	Somewhat limited Salinity Sodium content	0.50 0.18	Very limited Deep to water	1.00
HaA: Hamerly-----	80	Somewhat limited Depth to saturated zone Restricted permeability	0.84 0.50	Somewhat limited Slow refill Cutbanks cave Deep to water	0.97 0.10 0.07
HaB: Hamerly-----	80	Somewhat limited Depth to saturated zone Restricted permeability	0.84 0.50	Somewhat limited Slow refill Cutbanks cave Deep to water	0.97 0.10 0.07
Hb: Hamerly-----	50	Somewhat limited Depth to saturated zone Restricted permeability	0.84 0.50	Somewhat limited Slow refill Cutbanks cave Deep to water	0.97 0.10 0.07

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Parnell-----	40	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.97 0.10
Hd: Harmony-----	50	Somewhat limited Restricted permeability	0.50	Very limited Cutbanks cave Deep to water Slow refill	1.00 0.90 0.55
Aberdeen-----	35	Very limited Restricted permeability Sodium content	1.00 0.08	Very limited Cutbanks cave Deep to water Slow refill Salty water	1.00 0.90 0.55 0.01
Hm: Harmony-----	55	Somewhat limited Restricted permeability	0.50	Very limited Cutbanks cave Deep to water Slow refill	1.00 0.90 0.55
Beotia-----	35	Not limited		Very limited Deep to water	1.00
Hr: Harriet-----	85	Very limited Restricted permeability Depth to saturated zone Sodium content Flooding Salinity	1.00 1.00 1.00 0.60 0.50	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.30 0.10
HtA: Hetland-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
HuB: Hetland-----	50	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
Rusklyn-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
KbE: Kloten-----	50	Very limited Depth to bedrock Droughty Slope Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Buse-----	35	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
KrB: Kranzburg-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Brookings-----	30	Not limited		Very limited Deep to water	1.00
Buse-----	20	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Ks: Kranzburg-----	60	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Brookings-----	25	Not limited		Very limited Deep to water	1.00
KtB: Kranzburg-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Forman-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
La: La Prairie-----	90	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
Lh: La Prairie-----	50	Somewhat limited Flooding	0.60	Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
Holmquist-----	40	Very limited Depth to saturated zone Flooding Sodium content Runoff limitation Salinity	1.00 1.00 0.50 0.40 0.06	Somewhat limited Slow refill  Cutbanks cave Salty water	0.30  0.10 0.06
Lm: Lamoure-----	85	Very limited Depth to saturated zone Flooding	1.00 0.60	Somewhat limited Slow refill  Cutbanks cave	0.47  0.10
Lo: Lowe-----	85	Very limited Depth to saturated zone Leaching limitation Flooding	1.00 0.70 0.60	Very limited Cutbanks cave  Slow refill	1.00  0.30
Lu: Ludden-----	80	Very limited Restricted permeability Depth to saturated zone Flooding Ponding Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Slow refill  Cutbanks cave	1.00  0.10

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Lw: Ludden-----	90	Very limited Restricted permeability Depth to saturated zone Flooding Ponding Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Slow refill Cutbanks cave	1.00 0.10
Lx: Ludden-----	50	Very limited Restricted permeability Depth to saturated zone Flooding Ponding Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Slow refill Cutbanks cave	1.00 0.10
Ludden-----	40	Very limited Restricted permeability Depth to saturated zone Flooding Salinity Runoff limitation	1.00 1.00 1.00 0.78 0.40	Very limited Slow refill Salty water Cutbanks cave	1.00 0.78 0.10
MaA: Maddock-----	50	Very limited Filtering capacity Leaching limitation	1.00 0.45	Very limited Deep to water	1.00
Egeland-----	40	Not limited		Very limited Deep to water	1.00
MaB: Maddock-----	50	Very limited Filtering capacity Leaching limitation	1.00 0.45	Very limited Deep to water	1.00
Egeland-----	40	Not limited		Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
MaC: Maddock-----	55	Very limited Filtering capacity Leaching limitation Slope	1.00 0.45 0.04	Very limited Deep to water	1.00
Egeland-----	35	Not limited		Very limited Deep to water	1.00
Md: Marysland-----	50	Very limited Depth to saturated zone Filtering capacity Leaching limitation Flooding	1.00 1.00 0.70 0.60	Very limited Cutbanks cave	1.00
Divide-----	40	Very limited Filtering capacity Depth to saturated zone	1.00 0.84	Very limited Cutbanks cave Deep to water	1.00 0.07
MfB: Mauvais-----	85	Somewhat limited Depth to saturated zone Restricted permeability Salinity	0.95 0.50 0.01	Somewhat limited Slow refill Cutbanks cave Deep to water Salty water	0.97 0.10 0.02 0.01
MgB: Mauvais-----	80	Somewhat limited Depth to saturated zone Restricted permeability Salinity	0.95 0.50 0.01	Somewhat limited Slow refill Cutbanks cave Deep to water Salty water	0.97 0.10 0.02 0.01

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
MnA: Minnewasta-----	80	Very limited Restricted permeability Depth to saturated zone Filtering capacity Runoff limitation Sodium content	1.00 1.00 1.00 0.40 0.18	Very limited Slow refill Cutbanks cave Salty water	1.00 0.10 0.01
MoB: Minnewasta-----	80	Very limited Restricted permeability Depth to saturated zone Filtering capacity Runoff limitation Sodium content	1.00 1.00 1.00 0.40 0.18	Very limited Slow refill Cutbanks cave Salty water	1.00 0.10 0.01
Mw: Minnewaukan-----	90	Very limited Depth to saturated zone Ponding Filtering capacity Leaching limitation Droughty	1.00 1.00 1.00 0.90 0.29	Very limited Cutbanks cave	1.00
Na: Nahon-----	45	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.08	Very limited Cutbanks cave Slow refill Deep to water Salty water	1.00 0.98 0.90 0.50
Aberdeen-----	25	Very limited Restricted permeability Sodium content	1.00 0.08	Very limited Cutbanks cave Deep to water Slow refill Salty water	1.00 0.90 0.55 0.01



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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Exline-----	20	Very limited Restricted permeability Sodium content Depth to saturated zone Salinity Runoff limitation	1.00 1.00 0.84 0.50 0.40	Very limited Cutbanks cave Slow refill Salty water Deep to water	1.00 1.00 0.50 0.07
NsB: Nutley-----	60	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
Sinai-----	30	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
Oh: Oldham-----	90	Very limited Depth to saturated zone Restricted permeability Leaching limitation	1.00 0.81 0.50	Somewhat limited Slow refill Cutbanks cave	0.98 0.10
Or: Orthents, Gravelly--	90	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.71 0.45	Very limited Deep to water	1.00
Pa: Parnell-----	85	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.97 0.10

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Pc: Playmoor-----	90	Very limited Depth to saturated zone Flooding Salinity Leaching limitation Sodium content	1.00 1.00 0.50 0.50 0.08	Very limited Cutbanks cave Salty water Slow refill	1.00 0.50 0.47
Pm: Playmoor-----	50	Very limited Depth to saturated zone Flooding Salinity Leaching limitation Sodium content	1.00 1.00 0.50 0.50 0.08	Very limited Cutbanks cave Salty water Slow refill	1.00 0.50 0.47
Lamoure-----	40	Very limited Depth to saturated zone Flooding	1.00 1.00	Somewhat limited Slow refill Cutbanks cave	0.47 0.10
PrC: Poinsett-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Rusklyn-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
PsB: Poinsett-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Rusklyn-----	30	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Waubay-----	15	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
PwA: Poinsett-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Waubay-----	40	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
PwB: Poinsett-----	60	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Waubay-----	30	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
Ra: Ranslo-----	50	Very limited Restricted permeability Depth to saturated zone Flooding Runoff limitation	1.00 1.00 0.60 0.40	Very limited Slow refill Cutbanks cave Salty water Deep to water	1.00 0.10 0.01 0.01
Harriet-----	40	Very limited Restricted permeability Depth to saturated zone Sodium content Flooding Salinity	1.00 1.00 1.00 0.60 0.50	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.30 0.10
Rb: Rauville-----	90	Very limited Depth to saturated zone Flooding Runoff limitation	1.00 1.00 0.40	Very limited Cutbanks cave	1.00
RfA: Renshaw-----	50	Very limited Filtering capacity Droughty	1.00 0.15	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Fordville-----	35	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
RfB: Renshaw-----	65	Very limited Filtering capacity Droughty	1.00 0.15	Very limited Deep to water	1.00
Fordville-----	25	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
RSA: Renshaw-----	60	Very limited Filtering capacity Droughty	1.00 0.15	Very limited Deep to water	1.00
Sioux-----	30	Very limited Filtering capacity Droughty Leaching limitation	1.00 0.87 0.45	Very limited Deep to water	1.00
RsB: Renshaw-----	55	Very limited Filtering capacity Droughty	1.00 0.15	Very limited Deep to water	1.00
Sioux-----	35	Very limited Filtering capacity Droughty Leaching limitation	1.00 0.87 0.45	Very limited Deep to water	1.00
Ru: Ryan-----	55	Very limited Restricted permeability Depth to saturated zone Ponding Flooding Salinity	1.00 1.00 1.00 0.60 0.50	Very limited Slow refill  Salty water  Cutbanks cave	1.00  0.50  0.10

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Ludden-----	30	Very limited Restricted permeability Depth to saturated zone Flooding Ponding Runoff limitation	1.00  1.00  1.00 1.00 0.40	Very limited Slow refill  Cutbanks cave	1.00  0.10
SaA: Sinai-----	60	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
Nutley-----	30	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
SbB: Sioux-----	90	Very limited Filtering capacity Droughty Leaching limitation	1.00  0.87 0.45	Very limited Deep to water	1.00
SoB: Sioux-----	90	Very limited Filtering capacity Droughty Leaching limitation	1.00  0.87 0.45	Very limited Deep to water	1.00
SrD: Sioux-----	50	Very limited Filtering capacity Droughty Slope Leaching limitation	1.00  0.87 0.63 0.45	Very limited Deep to water	1.00
Renshaw-----	40	Very limited Filtering capacity Slope Droughty	1.00  0.63 0.15	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Day County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
SrE: Sioux-----	60	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.87 0.45	Very limited Deep to water	1.00
Renshaw-----	30	Very limited Slope Filtering capacity Droughty	1.00 1.00 0.15	Very limited Deep to water	1.00
SsE: Sioux-----	60	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.87 0.45	Very limited Deep to water	1.00
Renshaw-----	30	Very limited Slope Filtering capacity Droughty	1.00 1.00 0.15	Very limited Deep to water	1.00
Sw: Southam-----	90	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation Salinity	1.00 1.00 1.00 0.40 0.01	Somewhat limited Slow refill Cutbanks cave Salty water	0.97 0.10 0.01
To: Tonka-----	85	Very limited Restricted permeability Depth to saturated zone Ponding Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.30 0.10

Ag. Waste Application and Excavated Ponds -- continued  
Day County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Va: Vallers-----	90	Very limited Depth to saturated zone Salinity Restricted permeability	1.00 0.50 0.50	Somewhat limited Slow refill Salty water Cutbanks cave	0.97 0.50 0.10
Vh: Vallers-----	60	Very limited Depth to saturated zone Restricted permeability	1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.97 0.10
Hamerly-----	30	Somewhat limited Depth to saturated zone Restricted permeability	0.84 0.50	Somewhat limited Slow refill Cutbanks cave Deep to water	0.97 0.10 0.07
VoA: Vienna-----	60	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Brookings-----	30	Not limited		Very limited Deep to water	1.00
VoB: Vienna-----	65	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Brookings-----	25	Not limited		Very limited Deep to water	1.00
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated	

